

IN THE CLAIMS

Please amend claims 1, 9-10, 1, 19-20, 21, and 29-30, as follows:

1. (Currently Amended) In a mobile communication device, a method of for use in selecting a wireless communication network for communication communications comprising the acts of:

maintaining access to a plurality of network selection tables in memory, each network selection table corresponding to one of a plurality of traffic classes associated with quality of service criteria and including a plurality of system identifications, each system identification in each network selection table identifying one of a plurality of wireless communication networks and having a priority for selection in the network selection table;

causing one of a plurality of software applications on for the mobile communication device to be executed;

selecting one of the network selection tables associated with a traffic class of the executed software application;

scanning to identify a plurality of [a] available wireless communication networks in a coverage area of the mobile communication device; and

causing a network selection method to be performed in accordance with the selected network selection table in attempt to identify one of the available wireless communication networks that grants service needed for the executed software application, where network selection preference for the network selection method is based the priorities of the plurality of system identifications in the selected network selection table; and

selecting and registering with one of the identified available wireless communication networks for communication based on the selected network selection table method associated with the traffic class of the executed software application.

2. (Previously Presented) The method of claim 1, further comprising:

constructing the plurality of network selection tables for the plurality of traffic classes based on past network service history.

3. (Previously Presented) The method of claim 1, wherein the plurality of network selection tables include a preferred roaming list associated with a voice application and an additional network selection table associated with a Web browser application.

4. (Original) The method of claim 1, wherein the plurality of software applications comprises at least two of: a video player application, an audio player application, a video game application, a voice-over-IP application, an e-mail application, and an Internet data application.

5. (Previously Presented) The method of claim 1, wherein the quality of service criteria comprises one of: a delay criterion, a delay variation criterion, and a data loss criterion.

6. (Previously Presented) The method of claim 1, wherein the plurality of network selection tables are pre-programmed.

7. (Previously Presented) The method of claim 1, wherein the quality of service criteria comprises at least two of: a bandwidth criterion, a delay criterion, a delay variation criterion, and a data loss criterion.

8. (Previously Presented) The method of claim 1, wherein the plurality of traffic classes include at least two of the following: a background traffic class, an interactive traffic class, and a streaming traffic class.

9. (Currently Amended) The method of claim 1, wherein a preference is determined for each one of the plurality of system identifications in each network selection table based on a previous access attempt each software application is associated with a corresponding one of the traffic classes, which is associated with a corresponding one of the network selection tables.

10. (Currently Amended) The method of claim 1, wherein a the priority is determined for each one at least some of the plurality of system identifications in each network selection table based on a previous access attempt.

11. (Currently Amended) A mobile communication device, comprising:

memory;  
a plurality of software applications for storing in the memory;  
a plurality of network selection tables for storing in the memory, each network selection table corresponding to one of a plurality of traffic classes associated with quality of service criteria and including a plurality

of system identifications, each system identification in each network selection table identifying one of a plurality of wireless communication networks and having a priority for selection in the network selection table; a wireless transceiver;

one or more processors coupled to the wireless transceiver;

the one or more processors being operative to:

execute one of the software applications;

select one of the network selection tables associated with a traffic class of the executed software application;

scan, with use of the wireless transceiver, to identify a plurality of available wireless communication networks available in a coverage area of the mobile communication device; and

cause a network selection method to be performed in accordance with the selected network selection table in attempt to identify one of the available wireless communication networks that grants service needed for the executed software application, where network selection preference for the network selection method is based the priorities of the plurality of system identifications in the selected network selection table; and

select and register with one of the identified available wireless communication networks for communication, via the wireless transceiver, based on the selected network selection table method associated with the traffic class of the executed software application.

12. (Previously Presented) The mobile device of claim 11, wherein the one or more processors are further operative to:

construct the plurality of network selection tables for the plurality of traffic classes based on past network service history.

13. (Previously Presented) The mobile device of claim 11, wherein the plurality of network selection tables include a preferred roaming list associated with a voice application and an additional network selection table associated with a Web browser application.

14. (Original) The mobile device of claim 11, wherein the plurality of software applications comprises at least two of: a video player application, an audio player application, a video game application, a voice-over-IP application, an e-mail application, and an Internet data application.

15. (Previously Presented) The mobile device of claim 11, wherein the quality of service criteria comprises one of: a delay criterion, a delay variation criterion, and a data loss criterion.

16. (Previously Presented) The mobile device of claim 11, wherein the plurality of network selection tables are pre-programmed.

17. (Previously Presented) The mobile device of claim 11, wherein the quality of service criteria comprises at least two of: a bandwidth criterion, a delay criterion, a delay variation criterion, and a data loss criterion.

18. (Previously Presented) The mobile device of claim 11 wherein the plurality of traffic classes include at least two of the following: a

background traffic class, an interactive traffic class, and a streaming traffic class

19. (Currently Amended) The mobile device of claim 11, wherein a preference is determined for each one of the plurality of system identifications in each network selection table each software application is associated with a corresponding one of the traffic classes, which is associated with a corresponding one of the network selection tables.

20. (Currently Amended) The mobile device of claim 11, wherein a priority is determined for each one at least some of the plurality of system identifications in each network selection table based on a previous access attempt.

21. (Currently Amended) A computer program product, comprising:

a computer storage medium;  
computer instructions stored on the computer storage medium;  
the computer instructions being executable by one or more processors of a mobile communication device for:  
maintaining access to a plurality of network selection tables in memory, each network selection table corresponding to one of a plurality of traffic classes associated with quality of service criteria and including a plurality of system identifications, each system identification in each network selection table identifying one of a plurality of wireless communication networks and having a priority for selection in the network selection table;

causing one of a plurality of software applications for [a] the mobile communication device to be executed;

selecting one of the network selection tables associated with a traffic class of the executed software application;

scanning to identify a plurality of [a] available wireless communication networks in a coverage area of the mobile communication device; and

causing a network selection method to be performed in accordance with the selected network selection table in attempt to identify one of the available wireless communication networks that grants service needed for the executed software application, where network selection preference for the network selection method is based the priorities of the plurality of system identifications in the selected network selection table; and

selecting one of the identified available wireless communication networks for communication based on the selected network selection table method associated with the traffic class of the executed software application.

22. (Original) The computer program product of claim 21, further comprising:

constructing the plurality of network selection tables for the plurality of traffic classes based on past network service history,

23. (Original) The computer program product of claim 21, wherein the plurality of network selection tables include a preferred roaming list associated with a voice application and an additional network selection table associated with a Web browser application.

24. (Original) The computer program product of claim 21, wherein the plurality of software applications comprises at least two of: a video player application, an audio player application, a video game application, a voice-over-IP application, an e-mail application, and a Web browser application.

25. (Original) The computer program product of claim 21, wherein the quality of service criteria comprises one of: a delay criterion, a delay variation criterion, and a data loss criterion.

26. (Original) The computer program product of claim 21, wherein the plurality of network selection tables are pre-programmed.

27. (Original) The computer program product of claim 21, wherein the quality of service criteria comprises at least two of: a bandwidth criterion, a delay criterion, a delay variation criterion, and a data loss criterion.

28. (Original) The computer program product of claim 21, wherein the plurality of traffic classes include at least two of the following: a background traffic class, an interactive traffic class, and a streaming traffic class.

29. (Currently Amended) The computer program product of claim 21, wherein a preference is determined for each one of the plurality of system identifications in each network selection table based on a previous access attempt, and the selecting of one of the identified

wireless communication networks for communication is based on an order of the determined preference each software application is associated with a corresponding one of the traffic classes, which is associated with a corresponding one of the network selection tables.

30. (Currently Amended) The computer program product of claim 21, wherein a priority is determined for each one at least some of the plurality of system identifications in each network selection table based on a previous access attempt, and the selecting of one of the identified wireless communication networks for communication is based on an order of the determined priority.